GCSS-MC
CSSE Advocacy Board

4 December 2003
Mr. Randy Delarm
Program Manager

Agenda

- Introduction
- Objectives
- Scope
- Schedule
- Acquisition
- System Architecture

Introduction

- Program is on course to provide a material solution
- Strong partnership exists with Functional Advocate
- GCSS-MC remains a key enabler for modernization
- Results are within reach

Objectives

- To provide current information related to in progress activities for Software and Integrator Selection
- To review key information supporting the development of a system architecture

OA Drives the Acquisition

- Advocate has led the requirements process
- Change management - process driven by requirements
- Acquisition of GCSS-MC IT system modernization enables the process

Acquisition Scope

- Time – Block 1 “Lights Out” FY 2006
  - Divest from 5 legacy systems (SASSY, MIMMS, ATLASS, ATLASSII+, PCMIMMS)
  - Signals major commitment to proceed with modernization

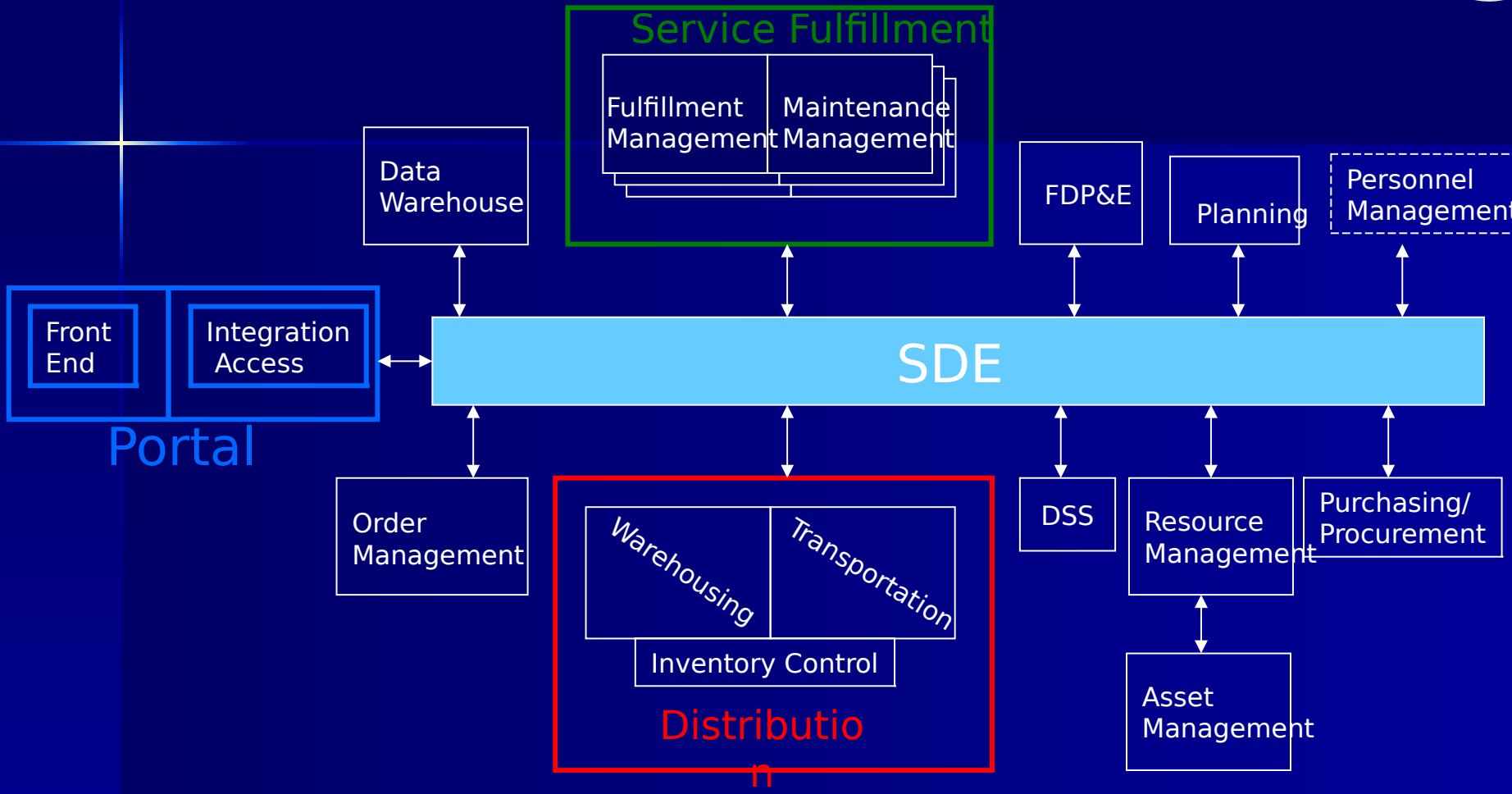
Acquisition Scope (continued)

- Core Functions – Logistics Chain Management
  - Based on Operational Architecture
    - Focus on deployability
    - Task Organization
  - Block 1 is envisioned to provide some level of:
    - Request Management
    - Order Management
    - Capacity Management
    - Production Management
    - Fulfillment and Execution

Acquisition Scope (continued)

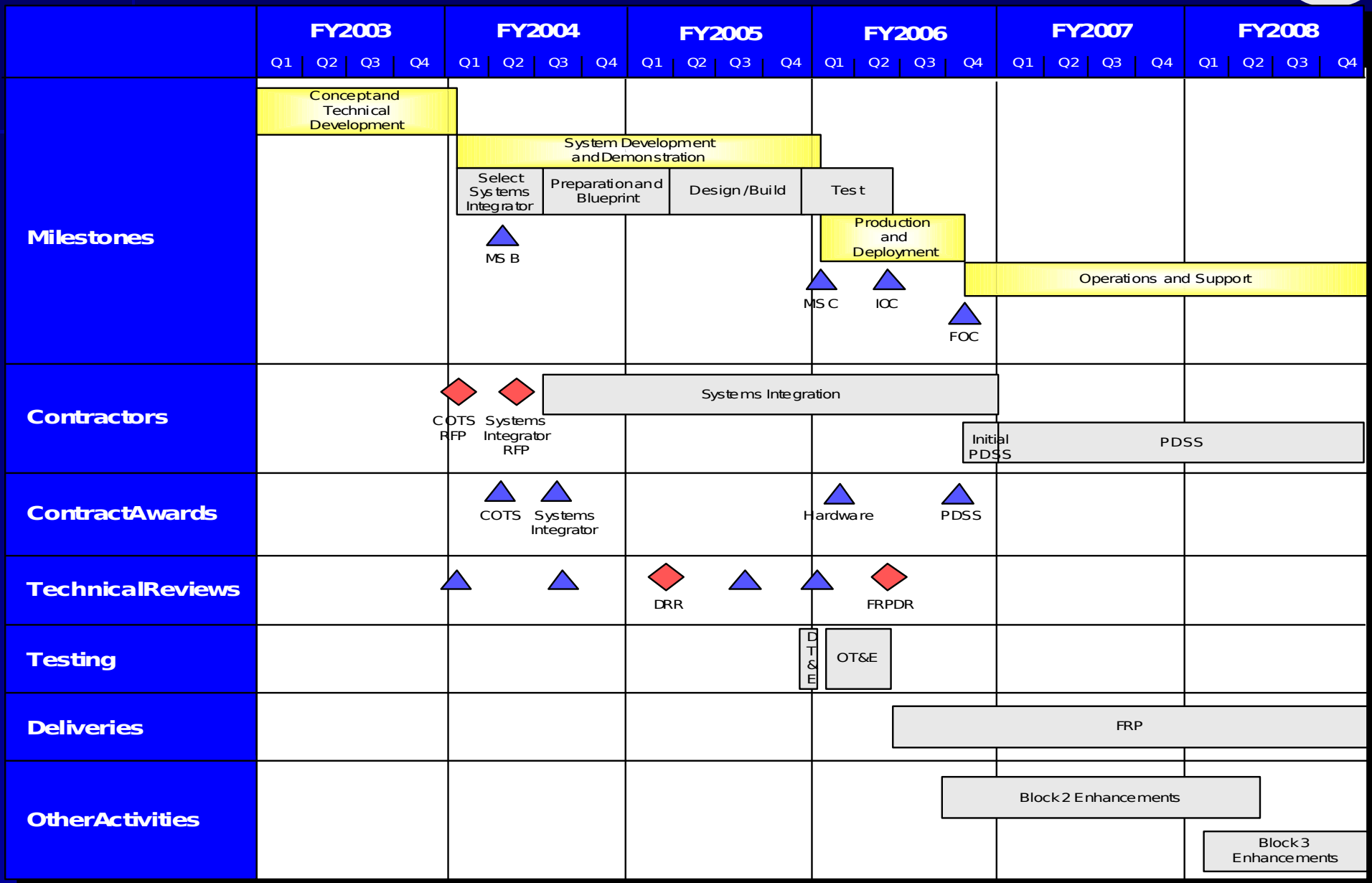
- Partial Log C2 and LDW
  - Log C2 functions necessary to support Architecture
    - Execution Monitoring
    - Mission Plans from MAGTF
  - LDW to support Joint Information reporting requirements
- Subsequent blocks will add more capability

GCSS-MC Functional Architecture



GCSS-MC Is the Enterprise Information Technology Designed to Support Improved and Enhanced MAGTF Combat Service Support Functions and Combat Support Information Requirements.

GCSS-MC Master Schedule

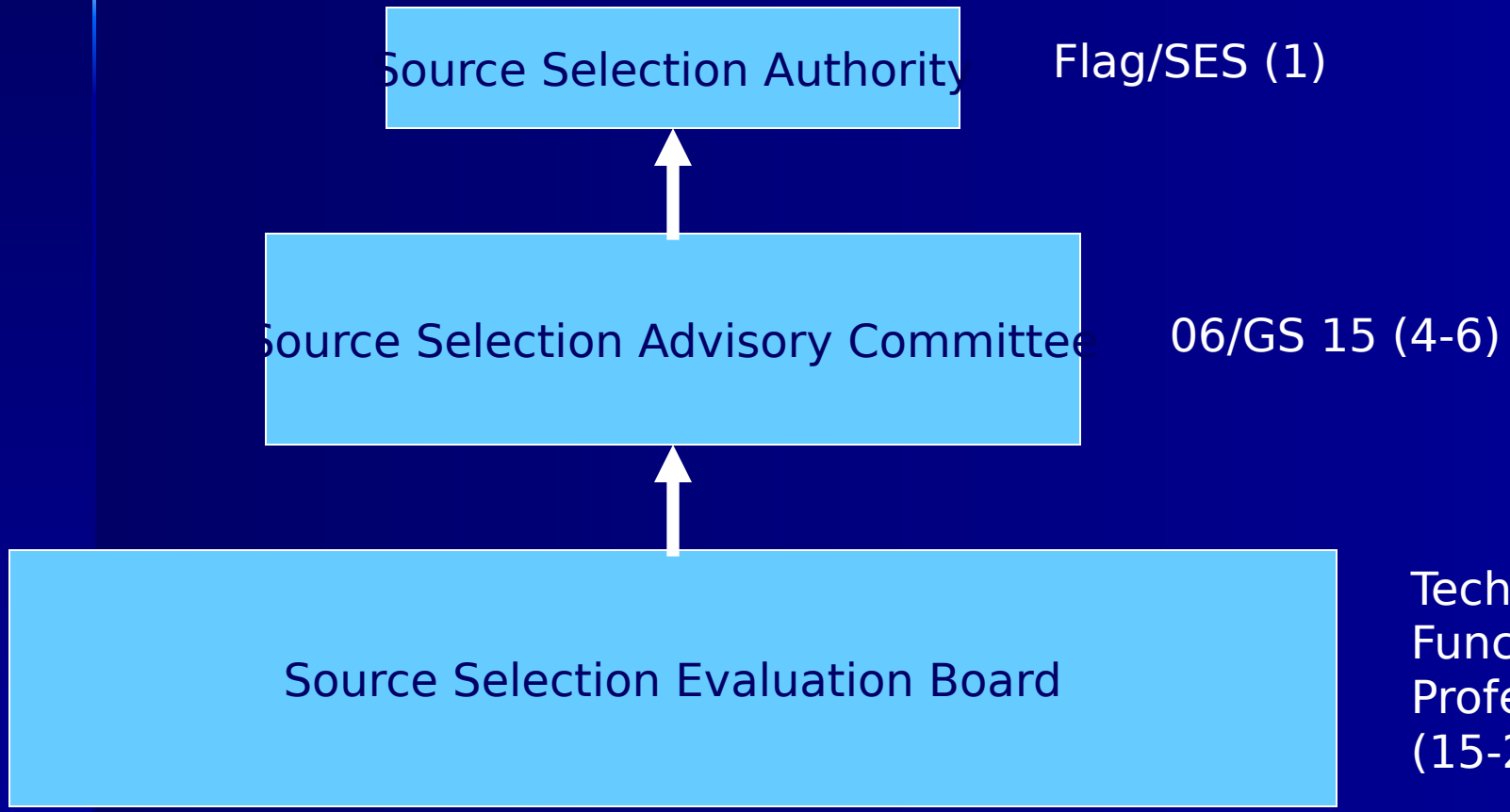


Accomplishments

Acquisition Strategy

- Maintain strong partnership with Functional Advocate during requirements, evaluation, and award
- Use evolutionary acquisition with incremental development (mature COTS software)
- Looking for Best Value solution with strong experience and creativity
- Include demonstration scenarios as criteria for evaluation
- Capitalize on strong Industry Day momentum
- Maintain schedule
- Will select vendor team that satisfies specific Marine Corps criteria

Source Selection Structure



Approach

- Partnership between USMC, COTS supplier and Systems Integrator
- Two Solicitations and Two Awards
  - COTS, Full & Open, FFP, IDIQ, Best Value, 1-year contract with 4, 1-year options
  - Systems Integrator, Full & Open, Best Value, IDIQ, 1-year Incentive Type Contract with 4,
  - 1-year options
- Acquisition Timeline Overlap

Requirements Traceability to OA and ORD

- Active process driven by partnership SYSCOM, Functional Advocate, and other stakeholders
- Led by the FA
- Results in Statement of Objectives (SOO) for selecting vendors and designing the ultimate IT solution

Industry Day

- November 7, 2003
- 325 Vendors/Government professionals
- Expeditionary Maneuver Warfare presentation
- Web site
- Question and answers
- Upcoming System Integrator Industry Day

How are we going to Select?

- Select a vendor who:
  - Has experience in similar size procurements
  - Can deliver maximum functionality to support OA and “lights out” strategies
  - Is best value for the Marine Corps

Source Selection
COTS Timeline

Draft RFP Release – 11/7/03

Industry Day – 11/7/03

Final RFP Release – 12/5/03

Proposals Due – 1/9/04

Contract Award – 3/5/04

Evaluations will include scripted product demonstrations

Source Selection

Systems Integrator Timeline

Draft RFP Release – 1/22/04

Final RFP Release – 2/19/04

Proposals Due – 4/5/04

Contract Award – 5/13/04

Source Selection

Systems Integrator

Key activity and critical success factor

Experience with selected COTS suite implementation

Must appreciate USMC challenge

- Culture
- Technical
- Operational

Fielding Strategy

- Horizontal approach to align with basic GCSS strat
- Lights out is the driver, requires enterprise wide fielding of:
  - Order Management
  - Request management
  - Production management
  - Capacity management
  - Planning
- Fielding strategies developed as a result of collaboration
  with the Advocate and the systems integrator

Issues

- Change Management – validation and acceptance of improved processes to support LCM
- Timing/integration/acquisition
- Focus of Marine Corps subject matter experts (operators and planners) to integration and fielding objectives
- Success in PR 05/POM 06, momentum
- Continued partnership with key players
- Expectation management

GCSS-MC
System Architecture

Objective

To provide information regarding the GCSS-MC Systems Architecture (SA)

This is the piece that is most critical to our

ability to operate in an expeditionary Environment

Our focus is on deployed operations

Overview

GCSS-MC Logistics Chain Management (LCM) Architecture serves as the baseline

architecture for all GCSS-MC Programs

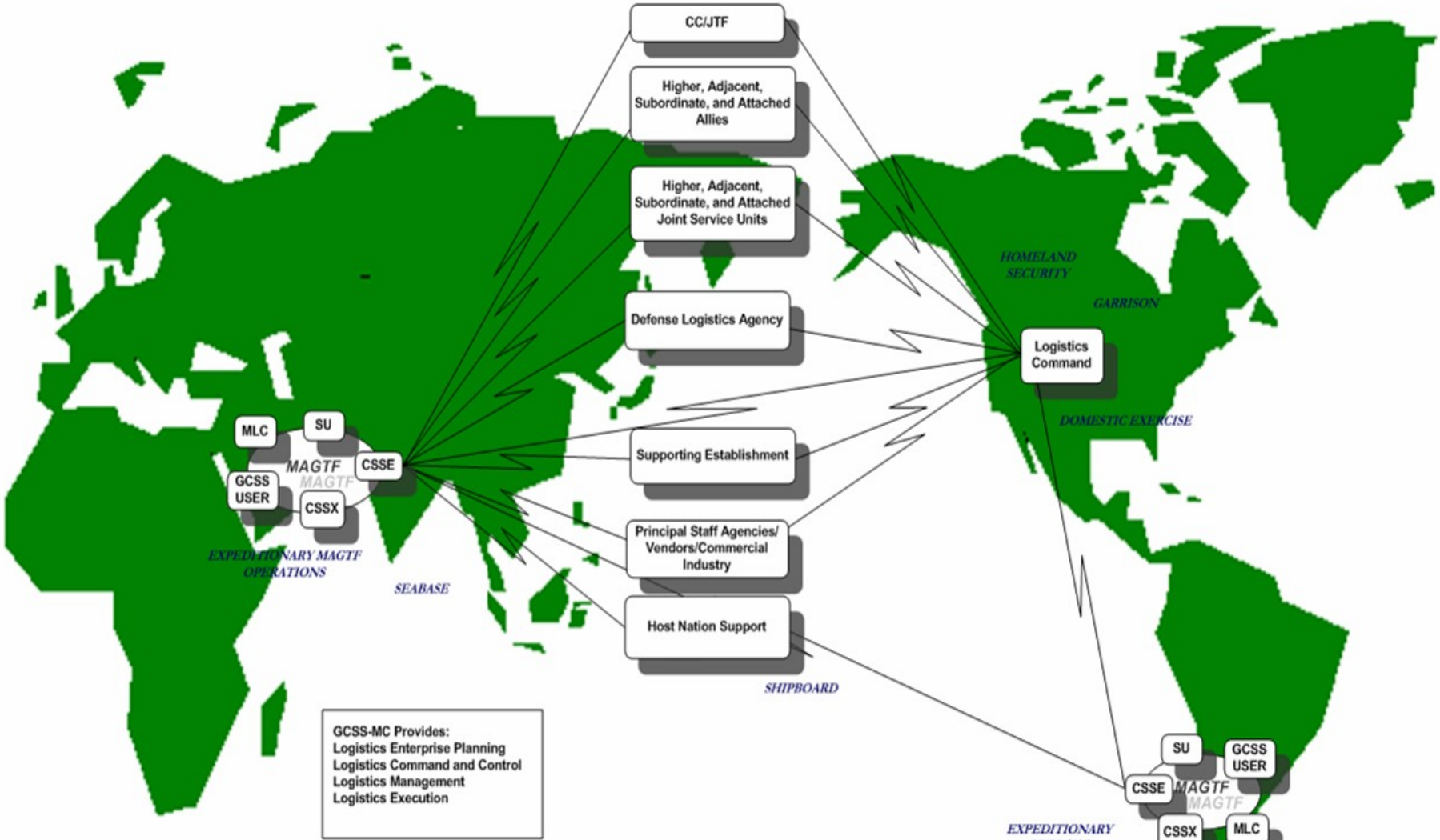
Architecture Objectives

- Support Acquisition of to-be system
  - Deployed Architecture
  - **Costs/POM** -- Determine what needs to be developed/ procured within the program and external to the program
- Milestone B (Joint/Acq Requirements/ Interoperability)
  - Embodied in Command, Control, Communications, and Computer Information Support Plan (C4ISP)

Architecture Objectives (continued)

- Position input to system CONOPS
  - Develop Information Management Plan
  - *Input to Marine Corps Bandwidth Analysis*
- Validate that GCSS-MC supports emerging doctrine
- Provide Baseline for Compliance
  - Global Information Grid – Enterprise Services (GIG-ES)
  - Federal Enterprise Architecture (FEA)
  - Business Enterprise Architecture-Logistics (BEA-LOG)

GCSS-MC High Level Operational View OV-1



Acronyms

ID	Name
CSSX	Combat Service Support Extension
GCSS USER	GCSS-MC User
SU	Supported Unit
S1	Supplier 1
SN	Supplier N
C2	Command and Control

Extension of S1 execution capability (xPM, xE).
xPM = Production Management
xE = Execution

An organization that provides CSS but is not a part of the Combat Service Support Element and utilizes GCSS-MC to support their tasks. Their functional capabilities include production management and execution of organic CSS assets. These consist of headquarters organizations such as *MEF Headquarters Group, Marine Wing Headquarters Squadrons, Marine Air Wing logistics units such as MWSS and MALS, and Separate BN's (Tanks, AAV, LAR, etc…)*

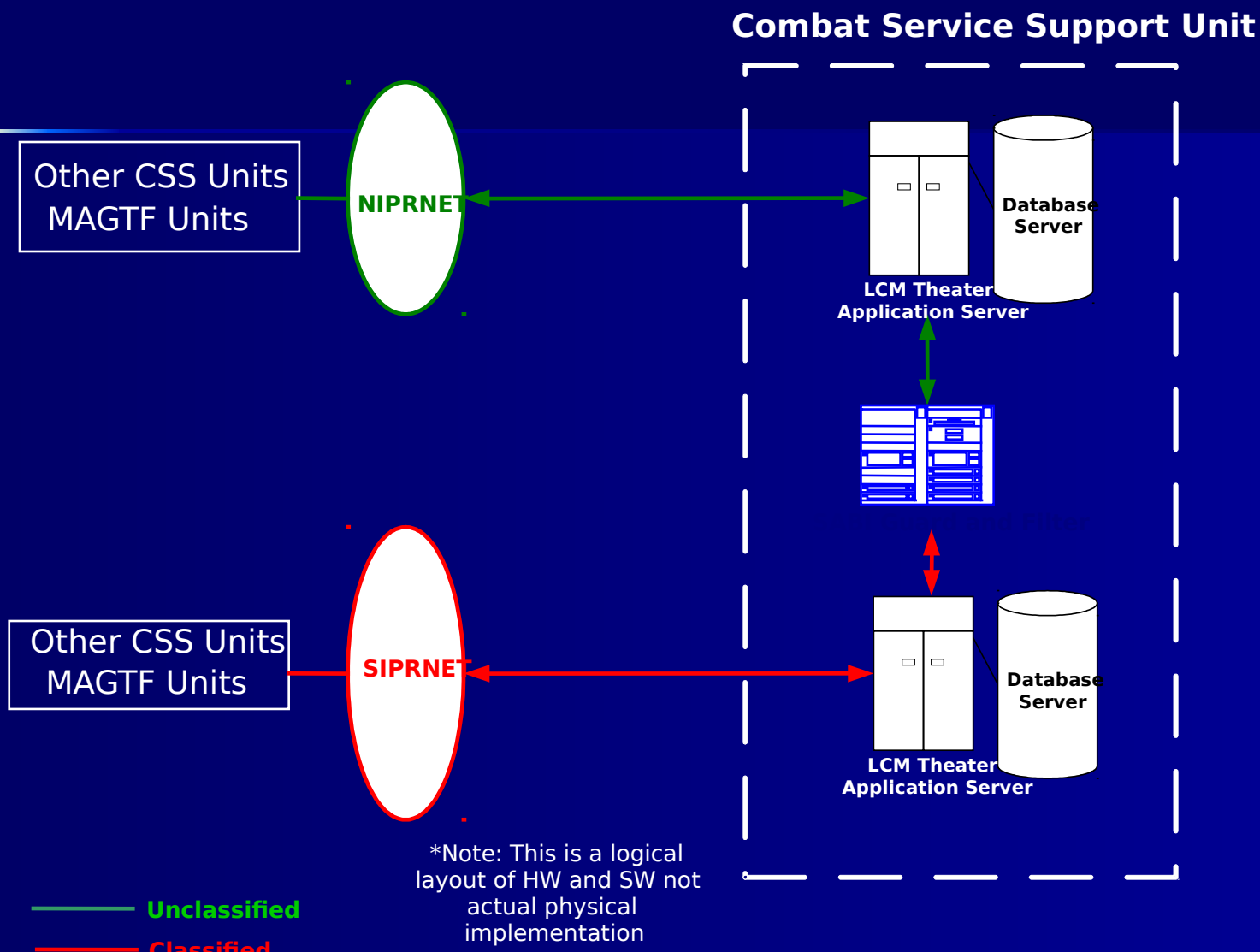
GCSS-MC LCM Technical Elements

Technical Element	Description
Shared Data	GCSS-MC shall provide the common services and technical platform where logistics information is made available to persons and applications authorized access.
Automatic Identification Technology	GCSS-MC shall enable the timely, accurate, and efficient collection and transmission of source logistics data in order to identify, track, document and control deploying forces, equipment, personnel, and sustained cargo.
Internet Infrastructure	GCSS-MC architecture, software, and equipment shall be based on the use of TCP/IP protocols as well as those protocols and software that use “World Wide Web” sanctioned standards such as HTML, HTTP, and XML
Information Assurance	GCSS-MC shall ensure that the appropriate levels of confidentiality, integrity, and availability are applied to logistics information
Joint Technical Architecture/Network Centric Enterprise Services	GCSS-MC shall comply with DoD standards for technical and systems architectures, software, and hardware.

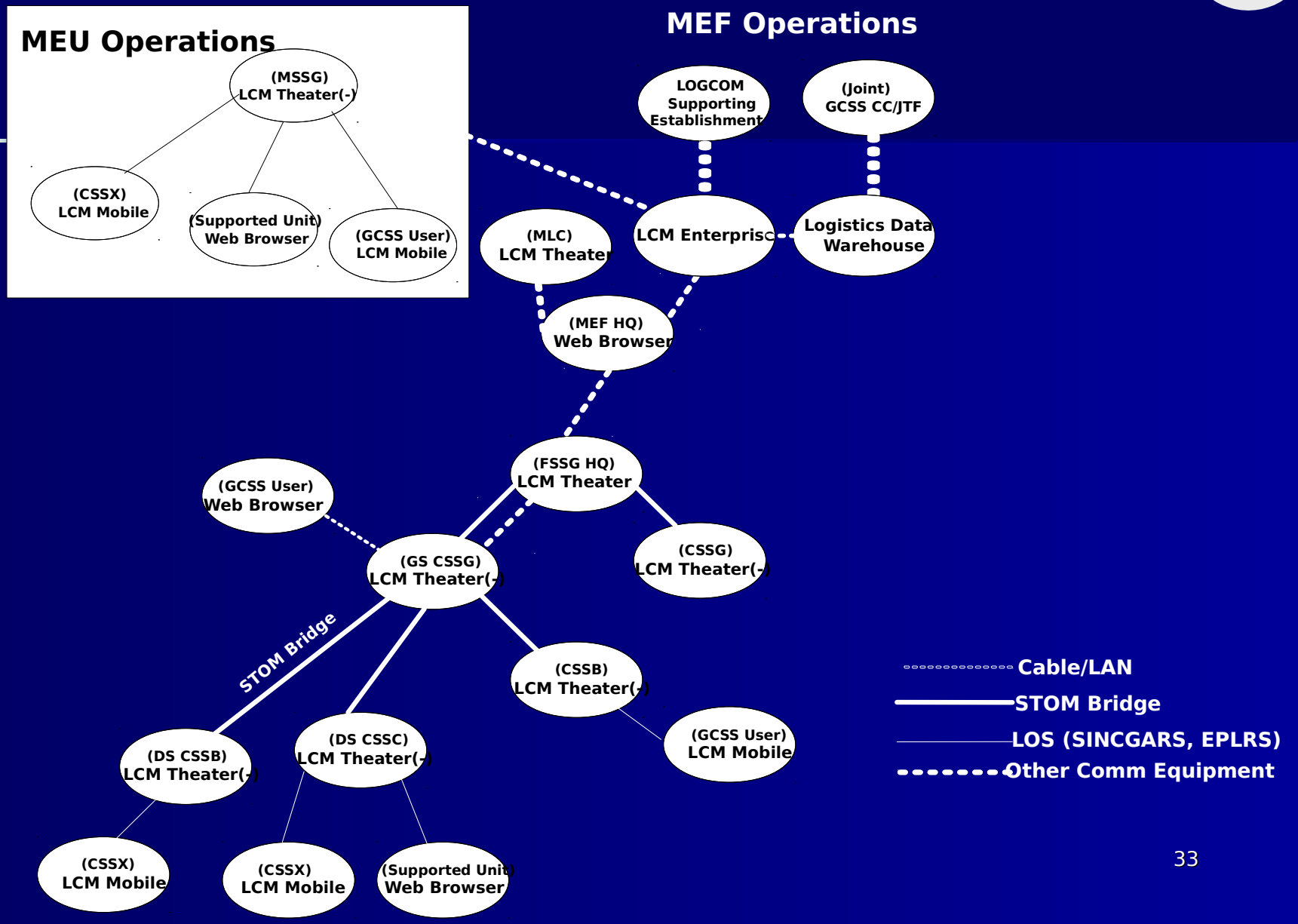
GCSS-MC Systems

- LCM – Logistics Chain Management
- LCM(Enterprise) – Garrison/CONUS GCSS-MC
- LCM Theater and Theater(-) – Deployed GCSS-MC SW and HW
  - Theater → FSSG HQ/MLC
  - Theater(-) → CSSG/CSSB/CSSC/BSSG/MSSG
- LCM Mobile – Deployed extensions of GCSS-MC SW
  - GCSS USER, CSSX
- LDW – Logistics Data Warehouse
- SABI Guard– “Secret and Below Interoperability” Server provides link

GCSS-MC System



System/Communications Layout



Considerations

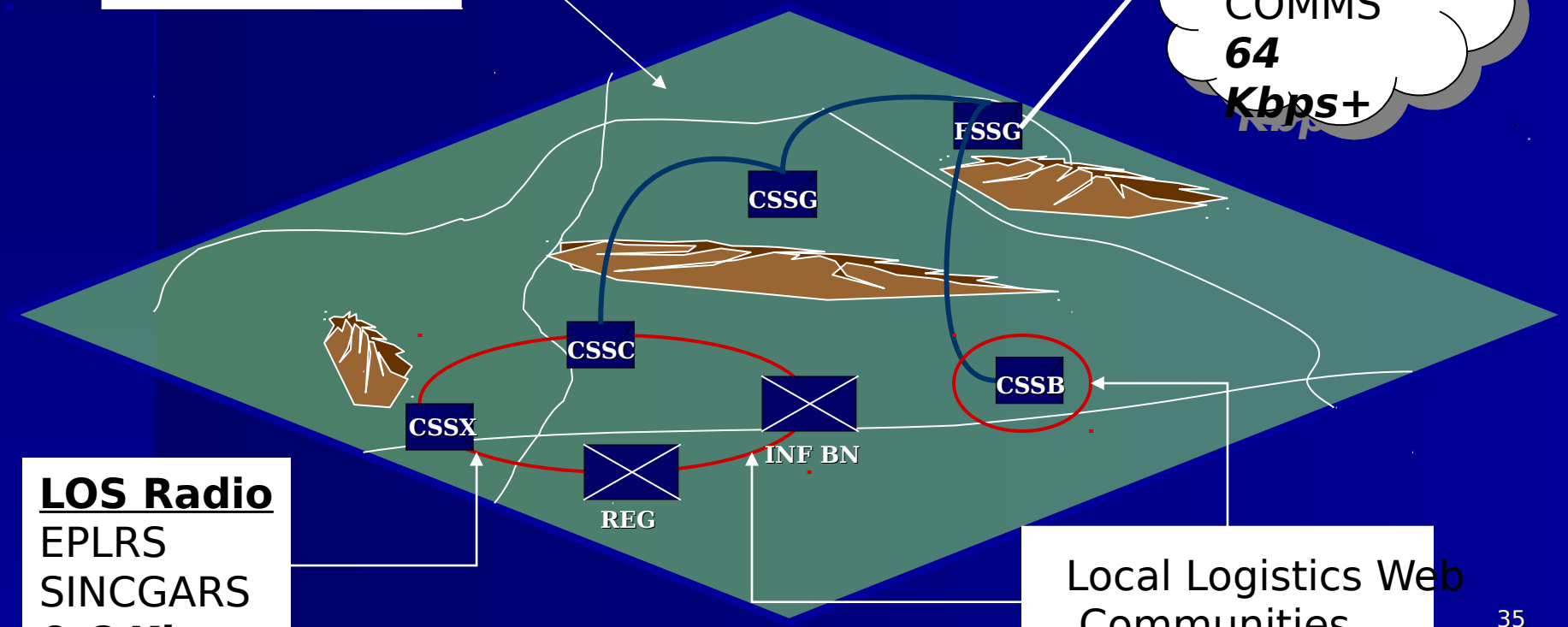
- Availability of 2-way guards for NIPR/SIPR Operations
  - Guards in DISA Testing now
  - Currently Garrison Only application of Guards
- Availability of STOM Bridge Capability
  - Support C4I STOM Bridge initiative in POM-06
- Naval Integration
  - Navy ERP Convergence
    - Garrison Oriented
    - Focus for later LCM Blocks
  - Naval Aviation Logistics
    - Some interfaces with Naval Aviation Logistics Systems
    - Process, Data, and Policy requirements for additional interfaces not identified yet

GCSS-MC Web-Based Concept

To CONUS

STOM Bridge
Commercial Sat
Military Sat
64 Kbps

MEF/JTF
COMMS
64 Kbps+



LOS Radio
EPLRS
SINCGARS
9.6 Kbps

Local Logistics Web
Communities

Challenges

- GCSS-MC is deployment focused
- Communications technology is new but mature
  - STOM Bridge must be tested and available
  - SABI Guards must be tested and available
- Policy for GCSS-MC implementation is necessary

Excellence in Logistics Supporting…

Excellence in Warfighting